

CHARTS  
FLOW PLANS  
PAINT NUMBERED  
TREES

PERMANENT  
SAMPLES

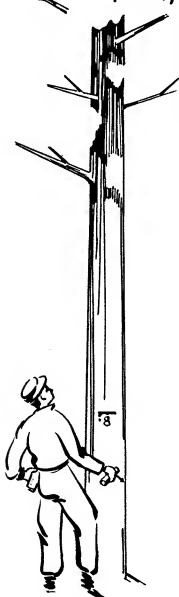
UNIT  
RECORDS

TIMBER  
BOOKKEEPING

THE DIAMETER  
TAPE

TRIAL  
BALANCE

PORT-A-  
PUNCH



# FOREST CONTROL

by

# CONTINUOUS INVENTORY

"Today I have grown taller from walking  
with the trees."

...Karle Wilson

Milwaukee, Wis. February, 1965 No. 131

## LEST FORESTERS FORGET

We sometimes fail to remember that CFI is intended to be an inventory made primarily for broad policy decisions. It measures and classifies major management and silvicultural problems, but does little to tie them to the ground. Forester reconnaissance accomplishes this, and it is something that must be done to activate the results of every timber cruise no matter how it is made.

CFI is not a fragmentary inventory. It covers the entire forest in a short period of time. It is repetitive. CFI inventories are not permitted to become obsolete. Information on the condition of the forest is kept fresh as fruit of the vine newly plucked. This is most important in forest management where Nature is expected to quickly replenish depleted stands.

CFI has never been described as a system of inventory which allocates its measured findings, but it does something which is of first importance in continuous forest management.

It keeps forest problems a matter of current knowledge and record, providing opportunity and encouragement for constant wood replacement and continuous woods improvement.

CAL STOTT

  
The Forester

THE CORDWOOD LOOK-UP VOLUME TABLE FOR CFI \*

Requests for look-up volume tables continue to come in. The sawlog booklets appear to have uses of which we have not been fully aware. So it seems desirable to prepare a Cordwood table corresponding to the previous two board foot tables, and distribute it with CFI letter No. 131.

This table, and those with CFI letters 123 and 129, hark back to Bulletin 1104 prepared by the Lake States Forest Experiment Station in 1955. \*\* The volume formula was written by Robert Stone of the Lake States Station.

The Cordwood look-up volume table gives gross volumes for individual trees measured to tenth-inch diameter classes and two-foot usable length intervals. Cord volumes are based on 8-foot sticks or bolts to a minimum top diameter seldom less than 4". Cruising standards corresponding to the volumes in the table are to a flexible 4" top d.i.b. and include trees in which the pulpwood or cordwood sticks are reasonably clean, sound and straight.

Basic information collected by research many years ago for the original cordwood volume table clearly indicated the practical possibility of a composite type table for all species and localities in the Lake States. The Look-up volumes are therefore composite volumes for all species combined, and their use in the Region for many years has given satisfactory results.

Most companies in the North Central Region apply species correction factors given with CFI letter No. 65, to the gross volumes in the Cordwood Look-up booklet. We call this correcting for species variation but actually it is an adjustment for extremes of tree taper, bark thickness, crook, sweep, and general roughness due to limb stubs and bark excrescences.

\* Data Processing by Purdue University School of Forestry.  
Print-out by the Forest Service, Milwaukee, Wisconsin

\*\* Composite Volume Tables for Timber and Their Application in the Lake States, by S. R. Gevorkiantz and L. P. Olsen - Lake States Forest Experiment Station, U. S. Department of Agriculture